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05886687 **Image available**
WATER PUMP SEALING DEVICE

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ABSTRACT

PROBLEM TO BE SOLVED: To improve the sealing ability and easily do assembling work.

SOLUTION: A water pump sealing device has the first **seal** member 7 made of rubber and integrally molded at one end of a metal core 7a with a **lip** 7b facing a water pump chamber on the surface of a water pump **shaft** 1, the second **seal** member 8 made of polyethrafluoroethylene resin and fitted to the inner diameter of the core 7a of the first **seal** member 7 with a **lip** 8a facing the water pump chamber on the surface of the water pump **shaft** 1, a metal backup ring 9 provided with a cylindrical portion 9a at the outer-diameter end and fitted to the inner diameter of the core 7a of the first **seal** member 7 with the cylindrical portion 9a facing a **bearing** 3 to hold the second **seal** member 8 in a space to the first **seal** member 7 and a metal ring 10 pressed and fixed into the inner periphery of the cylindrical portion 9a of the backup ring 9. The end of the first **seal** member 7 is bent to the ring 10 side to form the first **seal** member, the second **seal** member, the backup ring and the ring in one unit for mounting and fixing the ring 10 to the inner periphery at the outer ring end of the **bearing** 3.

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